
**Mechanical vibration and shock —
Characterization of the dynamic
mechanical properties of visco-elastic
materials —**

**Part 2:
Resonance method**

AMENDMENT 1

*Vibrations et chocs mécaniques — Caractérisation des propriétés
mécaniques dynamiques des matériaux visco-élastiques —*

Partie 2: Méthode de résonance

AMENDEMENT 1



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Foreword

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Mechanical vibration and shock — Characterization of the dynamic mechanical properties of visco-elastic materials —

Part 2: Resonance method

AMENDMENT 1

Page iv, Foreword

Add after Part 3:

- *Part 4: Dynamic stiffness method*
- *Part 5: Poisson's ratio based on comparison between measurements and finite element analysis*

Delete at the end of the list:

Part 4 (*Impedance method*) is under preparation.

Add at the end of the list:

The following part is in preparation:

- Part 1: Principles and guidelines

Page 3, Clause 3, paragraph 3, 2nd sentence

Add a new definition at the end of the clause.

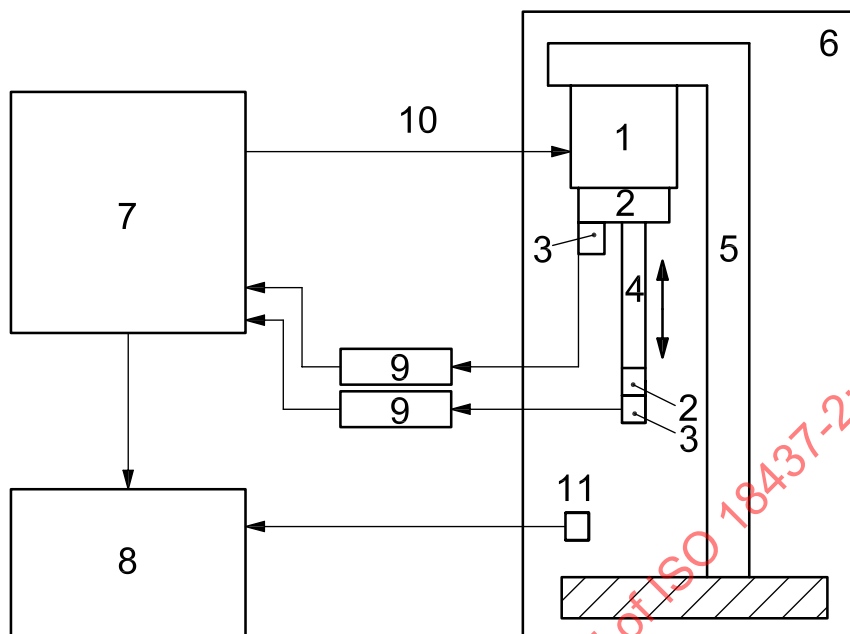
3.8

relaxation time

time taken by an exponentially decaying quantity to decrease in magnitude by a factor $1/e = 0,367\ 9$

Page 4, Figure 1

Replace the existing figure with the following.



Key

- | | | | |
|---|-------------------------------------|----|--------------------------------|
| 1 | electro-dynamic vibration generator | 7 | dual-channel spectrum analyser |
| 2 | mounting blocks | 8 | computer |
| 3 | accelerometers | 9 | charge amplifiers |
| 4 | test specimen | 10 | noise source |
| 5 | test stand | 11 | temperature sensor |
| 6 | environmental chamber | | |

Figure 1 — Schematic diagram of the resonance apparatus

Page 5, 4.5

In the third sentence, replace “60 °C” by “–60 °C”.

Page 5, 5.1, paragraph 1

Replace the second sentence by the following.

The mould should be at least 150 mm long, with uniform square lateral dimensions of $6,0 \text{ mm} \begin{smallmatrix} 0 \\ -0,1 \end{smallmatrix}$ mm.

Page 5, 5.1, paragraph 2

Replace the existing text by the following.

A uniform circular cross-section of 6 mm to 8 mm diameter is also acceptable instead of a square bar.